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E7.3 10854

CR-133442



DATE: August 4, 1973

TO: NASA Scientific and Technical Information Facility
Attn. Earth Resources
P.O. Box 33
College Park, Maryland 20740

FROM: Robert E. Bodenheimer

PRINCIPAL INVESTIGATOR
IDENTIFICATION NUMBER: UN 654

PROPOSAL NUMBER: MMC # 162-06

CONTRACT NUMBER: NAS5-21875

SUBJECT: Progress Report, "ERTS-A Imagery
Interpretation Techniques in the
Tennessee Valley."

The purpose of this report is to summarize the research activity on proposal MMC # 162-06 (NAS5-21875), "ERTS-A Imagery Interpretation Techniques in the Tennessee Valley," during the period from May 25, 1973 to July 25, 1973. Principal Investigator for this project is Robert E. Bodenheimer (UN654).

Current Progress. During the past two months there has been a transition from the slower, bulk processing of ERTS imagery to the faster capabilities of the "on-line" computer methods available using the image processing laboratory. ERTS Investigators have indicated that scene delineation is made easier by the pseudo-color generation of scene characteristics through density slicing and edge enhancement. Bulk processing

(E73-10854) ERTS-A IMAGERY INTERPRETATION
TECHNIQUES IN THE TENNESSEE VALLEY
Progress Report, 25 May - 25 Jul. 1973
(Tennessee Univ.) 2 p HC \$3.00 CSCL C5B

N73-28431

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has been restricted to those areas of interest in which more quantitative information is required. As a result of fewer bulk processing requests, turn-around time has improved.

Next Reporting Period. Data Processing under Phase III will continue. Investigation should progress to the point where digital filtering of Fast Fourier transforms will be used to enhance and delineate scene characteristics.

Respectfully submitted,

A handwritten signature in cursive script, reading "Robert E. Bodenheimer".

Robert E. Bodenheimer
UN 654